Mathematical Biosciences

an international journal

Volume 139

ELIZABETH G. WHELDON, KENNETH A. LINDSAY, THOMAS E. WHELDON, AND JIAN-HUA MAO (Glasgow, Scotland, United Kingdom)
A Two-Stage Model for Childhood Acute Lymphoblastic Leukemia: Application to Hereditary and Nonhereditary Leukemogenesis 1

M. IANNELLI (Povo, Italy), F. A. MILNER (West Lafayette, Indiana), A. PUGLIESE, AND M. GONZO (Povo, Italy)
The HIV/AIDS Epidemics Among Drug Injectors: A Study of Contact Structure Through a Mathematical Model 25

ROBERT M. MAY, DOV J. STEKEL, AND MARTIN A. NOWAK (Oxford, England)
Antigenic Diversity Thresholds and Hazard Functions 59

J. Z. WU, W. HERZOG, AND G. K. COLE (Calgary, Alberta, Canada)
Modeling Dynamic Contraction of Muscle Using the Cross-Bridge Theory 69

VIJAI PRATAP SRIVASTAVA (Lucknow, India), AND MEENU SAXENA (Sultanpur, India)
Suspension Model for Blood Flow through Stenotic Arteries with a Cell-Free Plasma Layer 79

RAMESH C. GUPTA (Orono, Maine), NANDINI KANNAN AND APARNA RAYCHAUDHURI (San Antonio, Texas)
Analysis of Lognormal Survival Data 103

NIELS G. BECKER AND DIANNA N. STARCZAK (Bundoora, Victoria, Australia)
Optimal Vaccination Strategies for a Community of Households 117

JOHANNES MÜLLER (Tübingen, Germany)
Optimal Vaccination Strategies—for Whom? 133

VOLUME CONTENTS

Elsevier